



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H111119

Mode: Highway

Status: Submitted

US-220 BUS

From/Cross Street: US 311 Extension

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 2123 Caudle Road

Project Category: Regional Impact

Length: 0.71

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$6,287,000

Description:

Widen Roadway to Four Lanes with a Median

Division(s): Division 8

County(s): RANDOLPH

MPOS(s)/RPO(s): Piedmont Triad RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 30.88

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 41.97	Percent: 15% Points: 0	Percent: 15% Points: 75
Safety (10%) 78.71		
[Travel Time] Benefit/Cost (25%) 0.80		
Accessibility / Connectivity (10%) 10.67		
Totals: Weight: 70% Weighted Score: 19.63		

Division Needs Total Score: 16.43

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 41.97	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 78.71		
[Travel Time] Benefit/Cost (20%) 0.80		
Totals: Weight: 50% Weighted Score: 16.43		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	0.71
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	10000
Capacity:	15800
Volume/Capacity Ratio:	0.63
% Autos:	95%
% Trucks:	5%
Truck Volume:	530
Crash Density:	78.71
Crash Severity:	78.71
Critical Crash Rate:	78.71
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	98
Actual Congested Speed:	36
Travel Time Index:	1.25

Project Benefits

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	0.71
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	224392.15
Travel Time Savings for 30 Years (Autos):	212499.37
Travel Time Savings for 30 Years (Trucks):	11892.78
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 8

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 8	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Piedmont Triad RPO	100%	75	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		75	0

Project Cost and Source

Construction Cost:	\$5,016,000	TIP Unit
Right-of-Way Cost:	\$1,135,000	Cost Estimation Tool
Utilities Cost:	\$136,000	Cost Estimation Tool
Total Project Cost:	\$6,287,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$6,287,000	